Space and Missile Defense Future Warfare Center

Space and Missile Defense - From Concept to Reality

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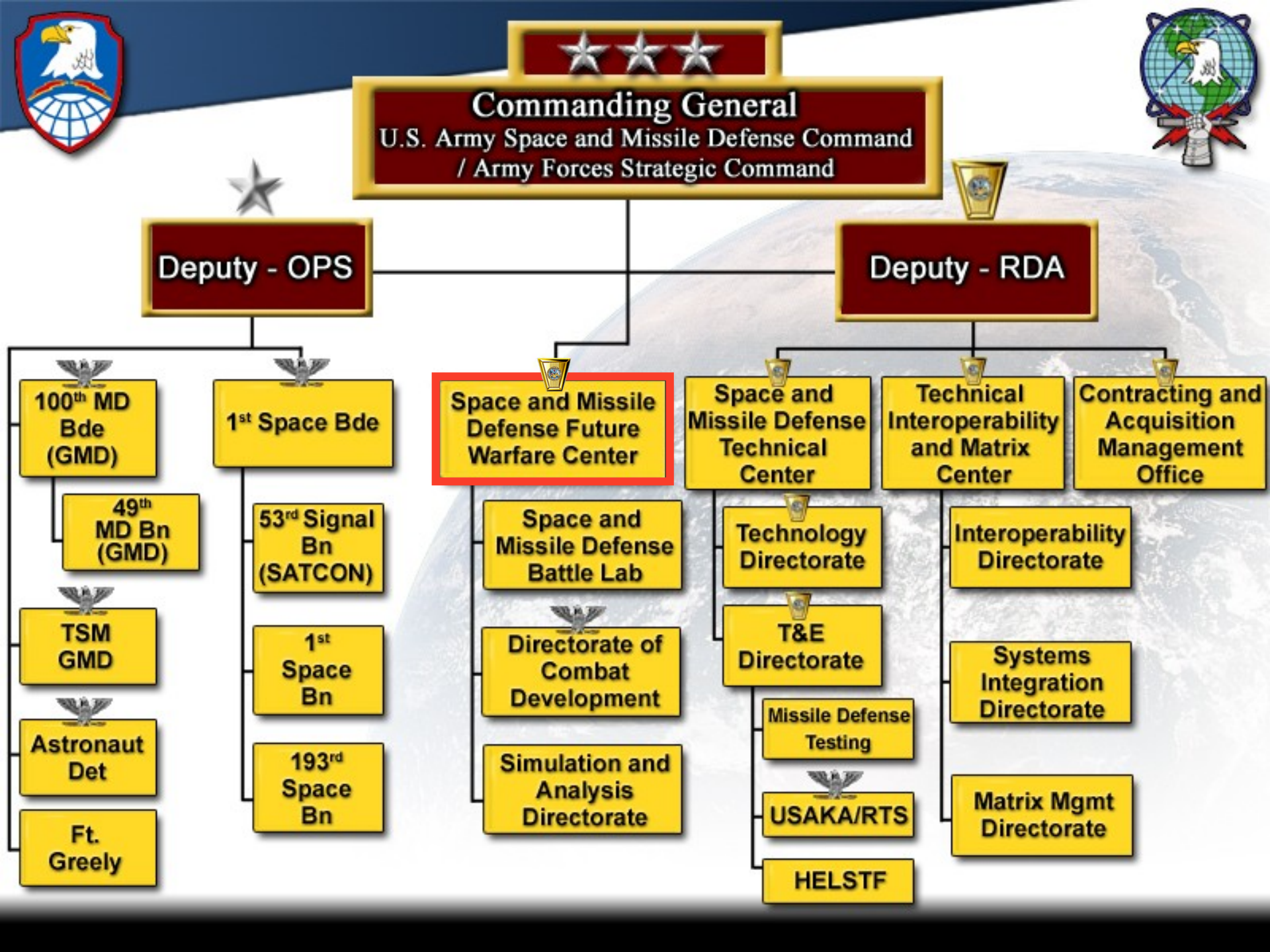

Commanding General
U.S. Army Space and Missile Defense Command
/ Army Forces Strategic Command
Deputy - OPS
Deputy - RDA
100th MD Bde (GMD)
49th MD Bn (GMD)
TSM GMD
Astronaut Det
Ft. Greely
1st Space Bde
53rd Signal Bn (SATCON)
1st Space Bn
193rd Space Bn
Space and Missile Defense Future Warfare Center
Space and Missile Defense Battle Lab
Directorate of Combat Development
Simulation and Analysis Directorate
Space and Missile Defense Technical Center
Technology Directorate
T&E Directorate
Missile Defense Testing
USAKA/RTS
HELSTF
Technical Interoperability and Matrix Center
Interoperability Directorate
Systems Integration Directorate
Matrix Mgmt Directorate
Contracting and Acquisition Management Office

Space and Missile Defense Future Warfare Center

Mission: Space and Missile Defense – from Concept to Reality

Develop and integrate innovative DOTMLPF capabilities for Army and Joint Space and Missile Defense

Vision: Dominant Space and Missile Defense capabilities seamlessly integrated into the Future Force

"Our military culture must reward new thinking, innovation, and experimentation."
President George W. Bush, 11 December 2001

The Space and Missile Defense Future Warfare Center

Value Creation Processes. . .

- **Technology Exploitation / Innovation**
- **Experimentation / Prototypir**
- **Studies and Analysis**
- **M&S Capabilities Determinat**
- **Engineering and Analysis**

The Space and Missile Defense Future Warfare Center (Location and Facilities)

FWC (Colorado Springs, CO)

Space and Missile Defense Battle Lab (SMDBL)

- **EEW (Exercises, Experiments, Wargames) U**

Directorate of Combat Development (DCD)

- **FA 40 Training Lab**

FWC (DC area)

3 DCD Divisions

FWC HQs (Huntsville, AL)

Operations Division

Simulations & Analysis Director

- **Simulation Center - SC**
- **Advanced Research Center – A**
- **High Performance Computing Distribution Center**
- **EADSIM, ITB**
- **Army SMD Analysis Center - AS**

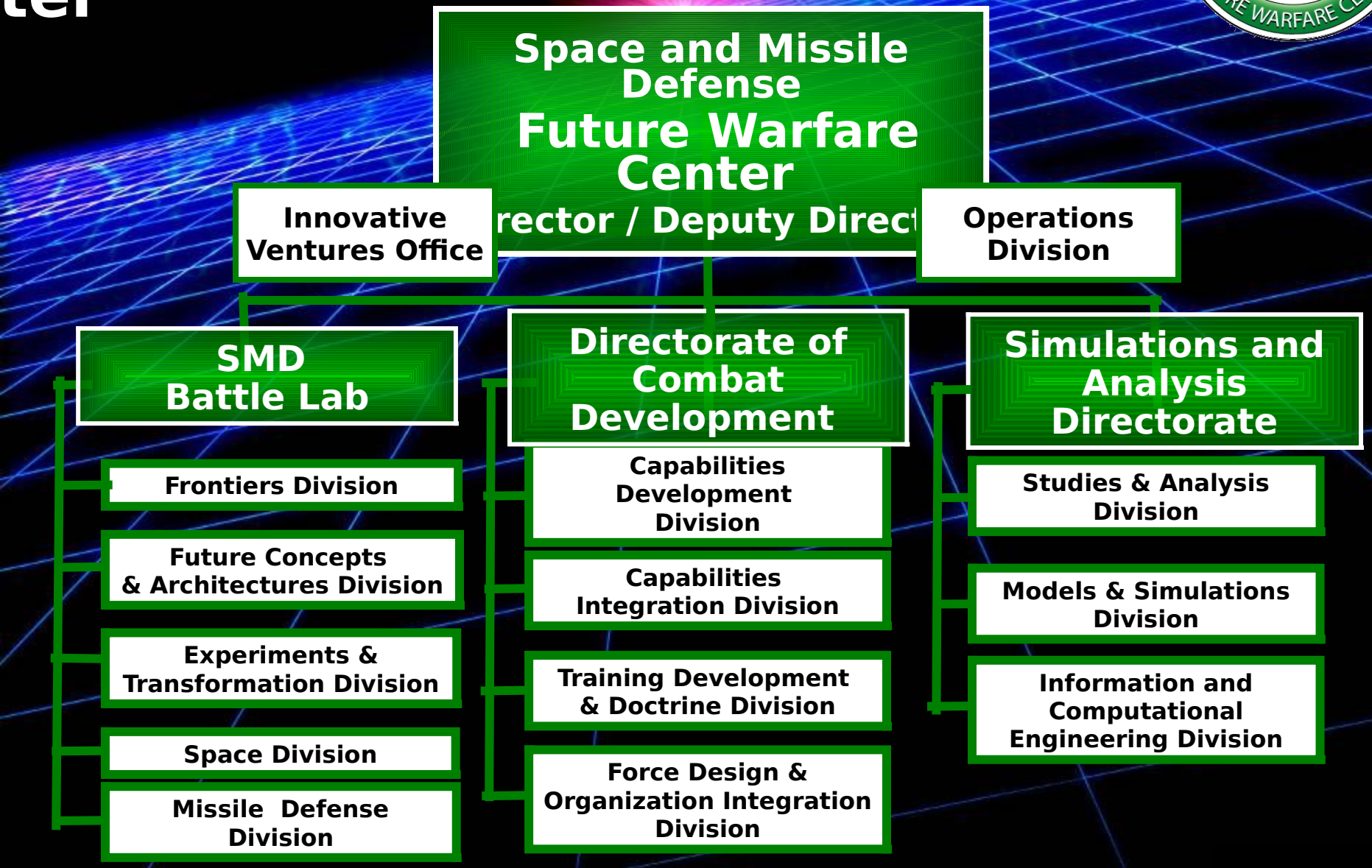
SMDBL's Missile Defense Divisio

- **Missile Defense Futures Lab**

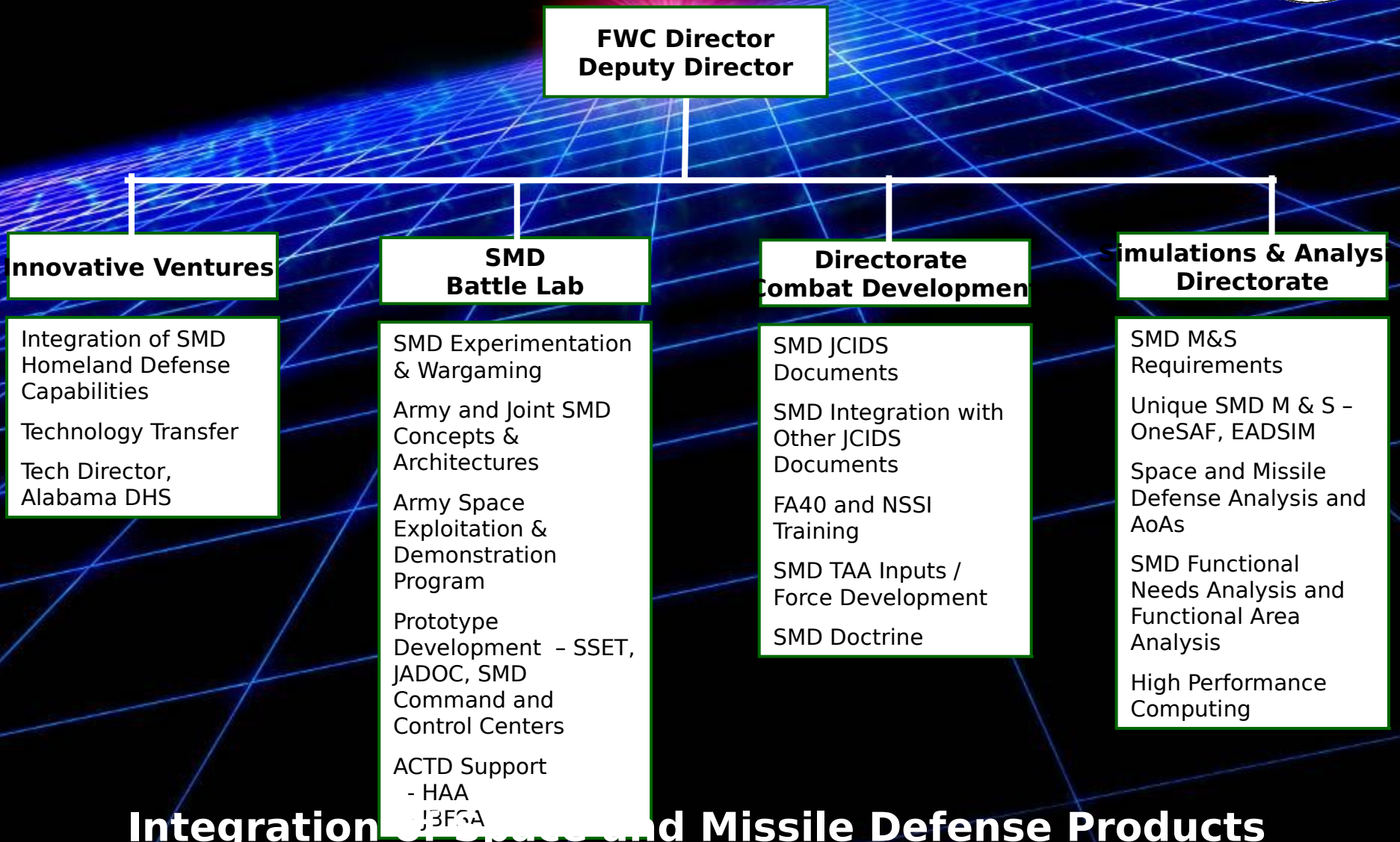
Additional FWC Liaisons

- **CAC / NCS (Ft Leavenworth)**
- **JTAMDO (DC)**
- **STRATCOM (Offutt AFB, NE)**
- **TRADOC/Army Caps Integ Center (Ft Monroe)**

Space and Missile Defense Future Warfare ter



FWC Organization and Products


FWC Director
Deputy Director
nnovative Ventures
Integration of SMD Homeland Defense Capabilities
Technology Transfer
Tech Director, Alabama DHS
SMD Battle Lab
SMD Experimentation & Wargaming
Army and Joint SMD Concepts & Architectures
Army Space Exploitation & Demonstration Program
Prototype Development – SSET, JADOC, SMD Command and Control Centers
ACTD Support
- HAA
- JBFCA
Directorate
ombat Developmen
SMD JCIDS Documents
SMD Integration with Other JCIDS Documents
FA40 and NSSI Training
SMD TAA Inputs / Force Development
SMD Doctrine
imulations & Analys
Directorate
SMD M&S Requirements
Unique SMD M & S – OneSAF, EADSIM
Space and Missile Defense Analysis and AoAs
SMD Functional Needs Analysis and Functional Area Analysis
High Performance Computing

Integration of Space and Missile Defense Products

Space and Missile Defense Battle Lab

SMDBL

- Frontiers Division
- Future Concepts & Architectures Division
- Experiments & Transformation Division
- Space Division
- Missile Defense Division

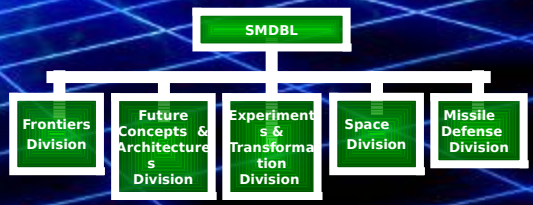
JFCC

FOCTOC II

SSET

Space and Missile Defense Battle Lab

- Current Warfighter Support
- Wargames
- Future Joint Concepts (15+ Years)
- Strategic Studies
- Army Theater Space Support Concepts
- Concept Capability Plans
- Operational Architectures
- Future Force Concepts (10+ Years)
- Command Input to Modularity
- ACDEP Strategic Management Plan
- Concept to Experiment Crosswalk
- AUTL/JUTL to Experiment Crosswalk
- Experiment Analytics Input to Concepts
- Army Concept Development
- Experimentation Campaign Plans
- ACTDs
- New Solutions Assessment

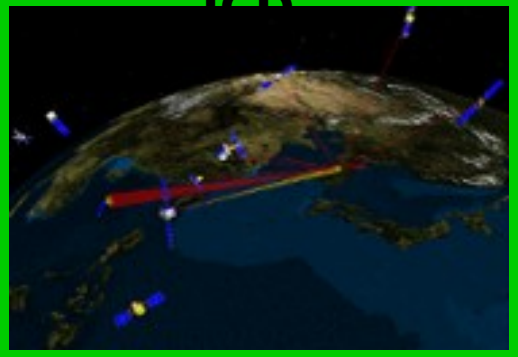


Directorate of Combat elopment

DCD

- Capabilities Development Division
- Force Design & Org. Integration Division
- Training Development & Doctrine Division
- Capabilities Integration Division

Ground-Based Space Electronic Warfare System ICD



Space Cadre FORMA

M3P

Directorate of Combat elopment

- ICD/CDDs
- Analysis
- ORDs
- Criteria
- Assessments
- Space FORMAL Force Designs
- TOE Builds
- MTOE / TDA Reviews
- FD Analysis
- Training Support
- Training Plans
- Space Courses
- Manuals & Pubs Dev
- Critical Task List
- Space Program Reports
- TACSAT Management Plan
- JCIDS Inputs
- Assessment Inputs

DCD
Capabilit / Develop Division
Force Design & ntegratio n Division
Training Developme nt & Doctrine Division
Capability Integration Division

Army Specified Proponent for:

- **Space**
  - **SRC 40 Units**
  - **Space Control**
  - **SSET**
  - **JTAGS / M3P**
- **GMD**
- **(BMDS)**

Simulations & Analysis Directorate

Sims & Analysis Directorate

- **Studies & Analysis Division**
- **Models & Simulations Division**
- **Information & Computational Engineering Division**

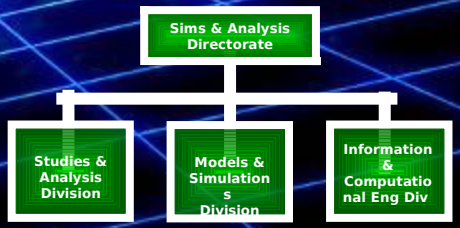
Space Control Study

Space & Missile Defense Modeling and Simulation

High Performance Computing

Simulations & Analysis Directorate

- JCIDS Focused Analysis
- Space Utility Analysis
- Missile Defense Analysis
- IO Testbed
- Command M&S Proponency
- M&S Development
- EADSIM
- ITB
- High Performance Computing
- MDA Computing/Network Support
- M&S Spt for Exercises, Experiments, and Analysis
- Battle Lab Collaborative Simulation Environment


Sims & Analysis Directorate
Studies & Analysis Division
Models & Simulations Division
Information & Computational Eng Div

The Space and Missile Defense Future Warfare Center

Current Operations

FOC TOC

AWarE

SSET

Prototypes

Combat Development

Modularity / FCS

Advanced Research Center

Simulation Center

EADSIM

Technical Services

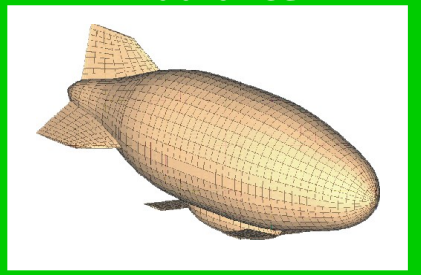
The Space and Missile Defense Future Warfare Center

MDA Support

- Prototypes
- Combat Development
- Technical Services

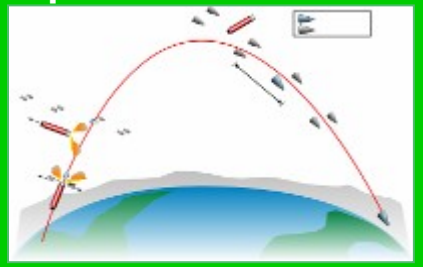
EEW USER Lab

High Altitude Long Endurance

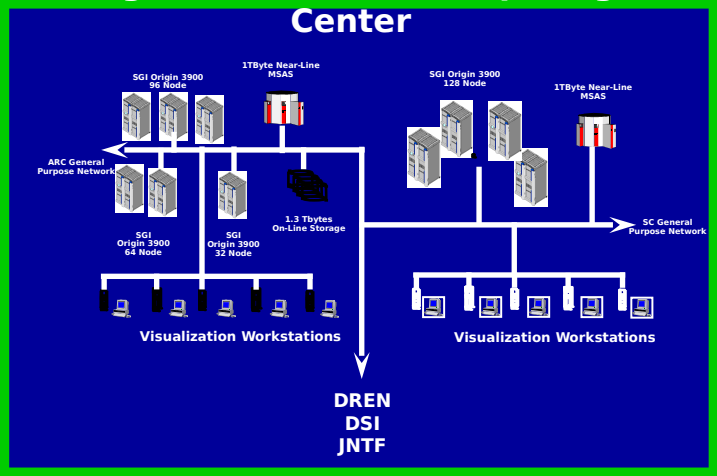


EADSIM

Tactics and Specification Center

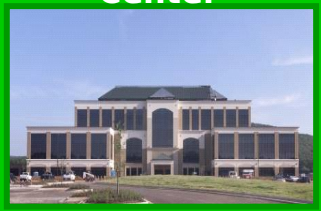


High Performance Computing Center



Advanced Research

Simulation Center



Israeli Test Bed

EEW – Exercises, Experiments, and Wargames
EADSIM – Extended Air Defense Simulation

The Space and Missile Defense Future Warfare Center external partnering. . .

Army

- TRADOC Battle Labs
- Army Special Operations BL
- TRADOC Analysis Center
- ACIC (Previous - Futures Center)
- Space Forces
- Air and Missile Defense Forces
- Army Staff
- Army OPS Center (CSA)

Warfighter

- Combatant Commanders
- USSTRATCOM
- CENTCOM
- NORAD
- EUCOM
- 263rd AAMDC (NG)
- PACOM
- FORSCOM
- 32nd AAMDC

Materiel Developers

- MDA
- GMD
- AFSOC
- PEOs (Missiles & Space – MSLS)
- PMs (AMDCCS, ABCS, TPIO, THAAD, Lower Tier)
- Air Armaments Center
- R&D Command
- Industry

Navy

- Naval Special Warfare
- SPAWAR
- Third Fleet
- Center for Naval Analyses
- NSWG1 (SEALS)
- Marines/1st MEF

Air Force

- UAV Battle Lab
- 1st Air Force (JBECC, Clear Skies)

Other Government Agencies

- OSD
- JFCOM
- Homeland Defense
- JTAMDO
- DARPA
- CAA

International

- NC3A
- Israeli Minister Defense
- Japan Defense Agency
- Republic of Korea
- Spain Ministry of Defense
- UK Def Research Agency

The Space and Missile Defense Future Warfare Center: Supporting the Warfighter!!

U.S.ARMY
merica’s Soldiers: Answering the Call to Duty